

Gender In Energy

Dominique Lallement, ESMAF Manager

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The Global Challenge

2-3 billion people
don't have access
to modern energy
services

1-2 billion women
don't have access to
modern energy services

Energy is Critical to Reduce Poverty

- No access to modern fuels leads to much time spent on collecting biomass fuels, transporting water, low productivity agro-processing, low labor participation rate for women, but also to high indoor air pollution, high rate of child mortality, inefficient health and education services.
- SMEs cannot afford back-up generators for unreliable/unavailable electricity
- Access to electricity, improves access to information, to opportunities to study and higher educational achievement, and to more efficient health services
- The poor pay a very high price for energy: 35c/kwhr equivalent, 30% of their disposable income: women often have to pay for the kerosene...



Link between Energy Vision and Poverty Alleviation

Energy Vision

- Transition from traditional to modern energy
- Efficient supply and use of energy
- Environmentally sustainable supply and use of energy
- Consumer choice of energy services and suppliers
- Positive contribution to macro/fiscal stability



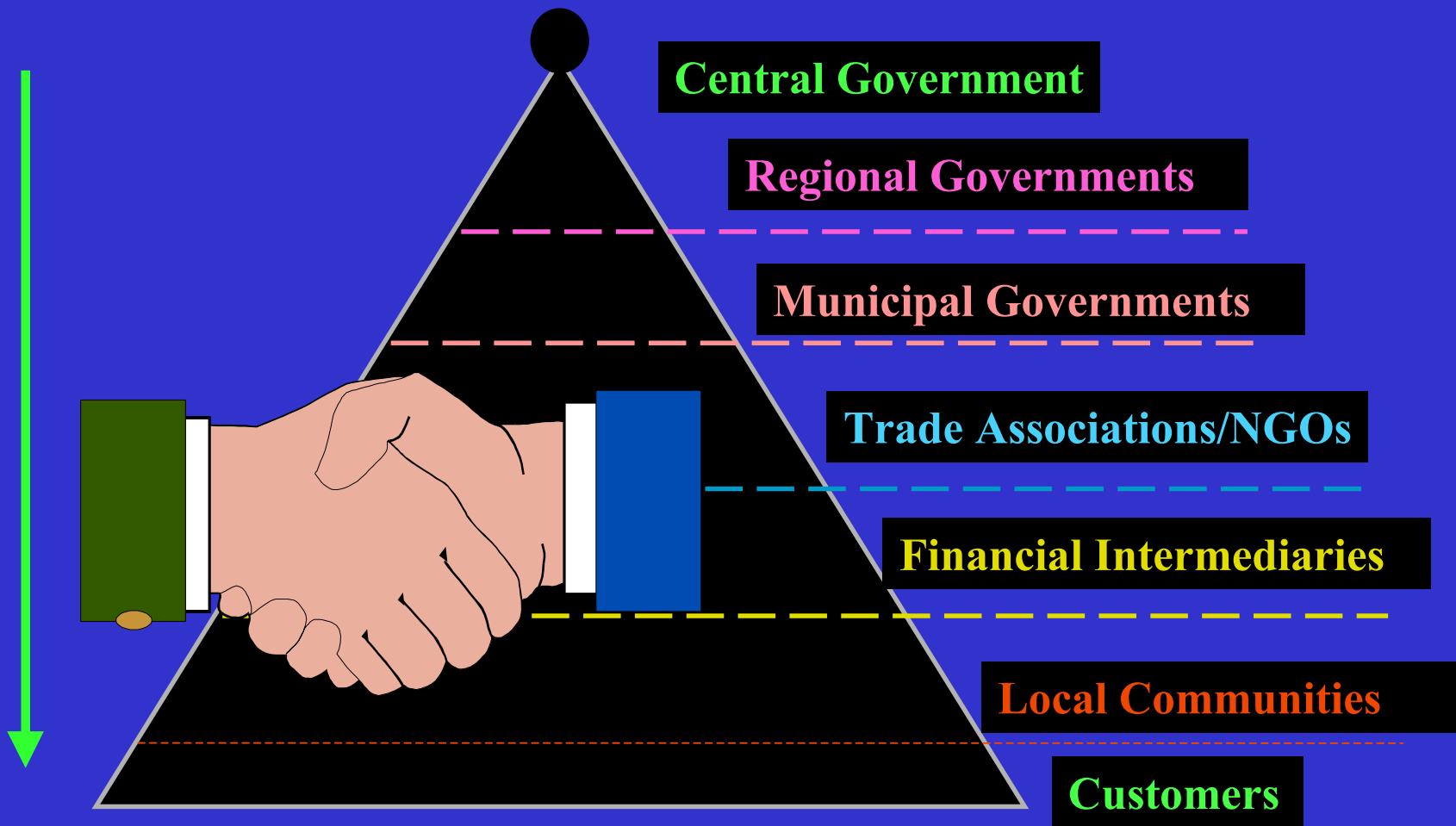
Poverty Alleviation

- Expand economic opportunities through increases in productivity
- Empower through access to communications and education services
- Improve living conditions through illumination of homes, cleaner fuels for cooking and heating indoors, and reduced emissions outdoors

Energy, Employment, Income Generation: Women Can Contribute to the Solutions

- Sales/entrepreneurship
- Manufacturing
- Architecture and system design
- Assembly
- Installation
- O&M
- Policy and Planning
- Finance
- Technical assistance and training

Institutional Changes....Strategic Partnerships from large to small projects





The UNDP/World Bank
**Energy Sector Management
Assistance Programme**

www.esmap.org

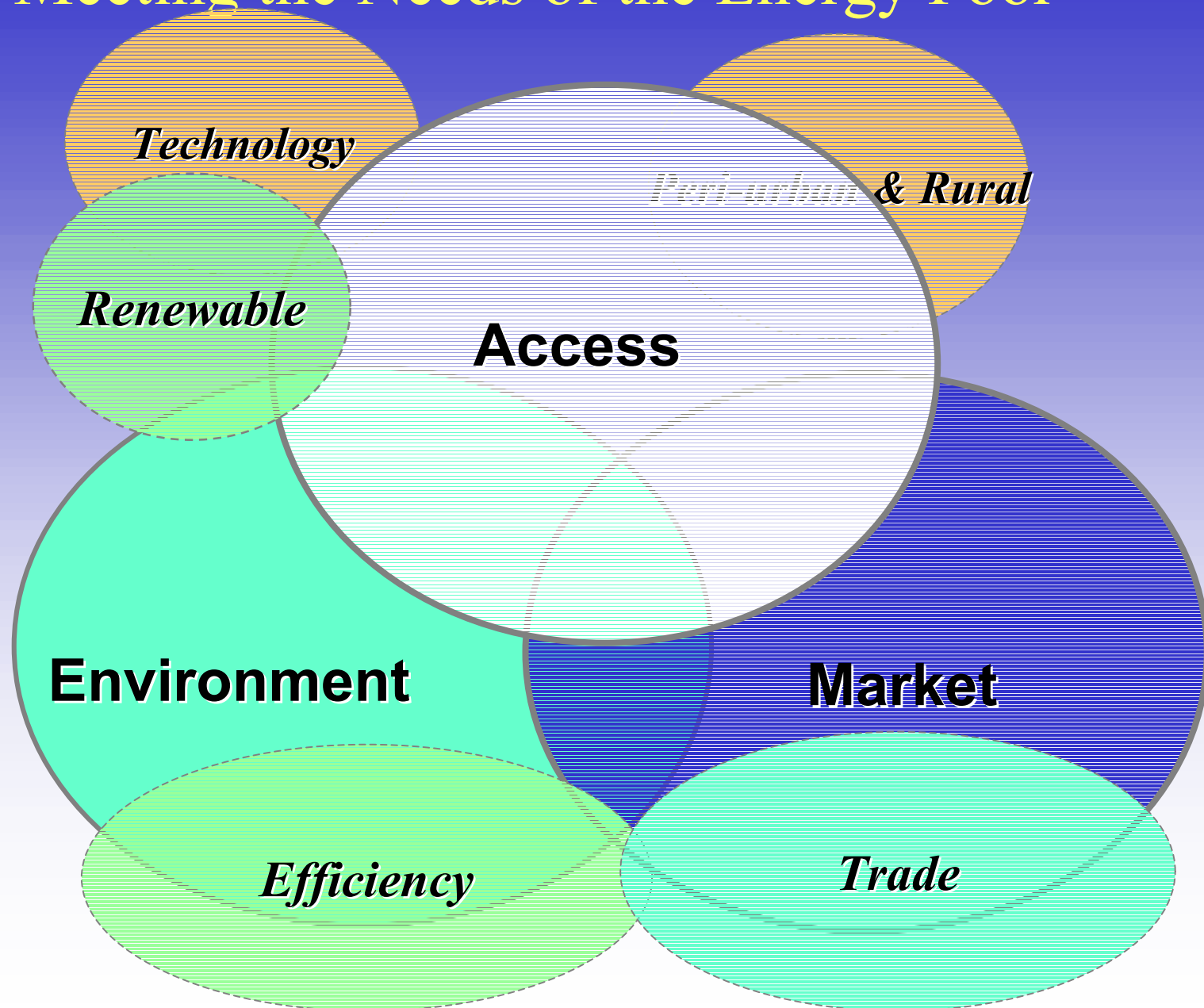
What is ESMA?

- UNDP/World Bank global technical assistance program
- Provides innovative solutions to governments and private sector
- Focuses on pre-investment activities
- Complements work of other development and private sector institutions
- 80% (public) donor funded, 20% World Bank Group

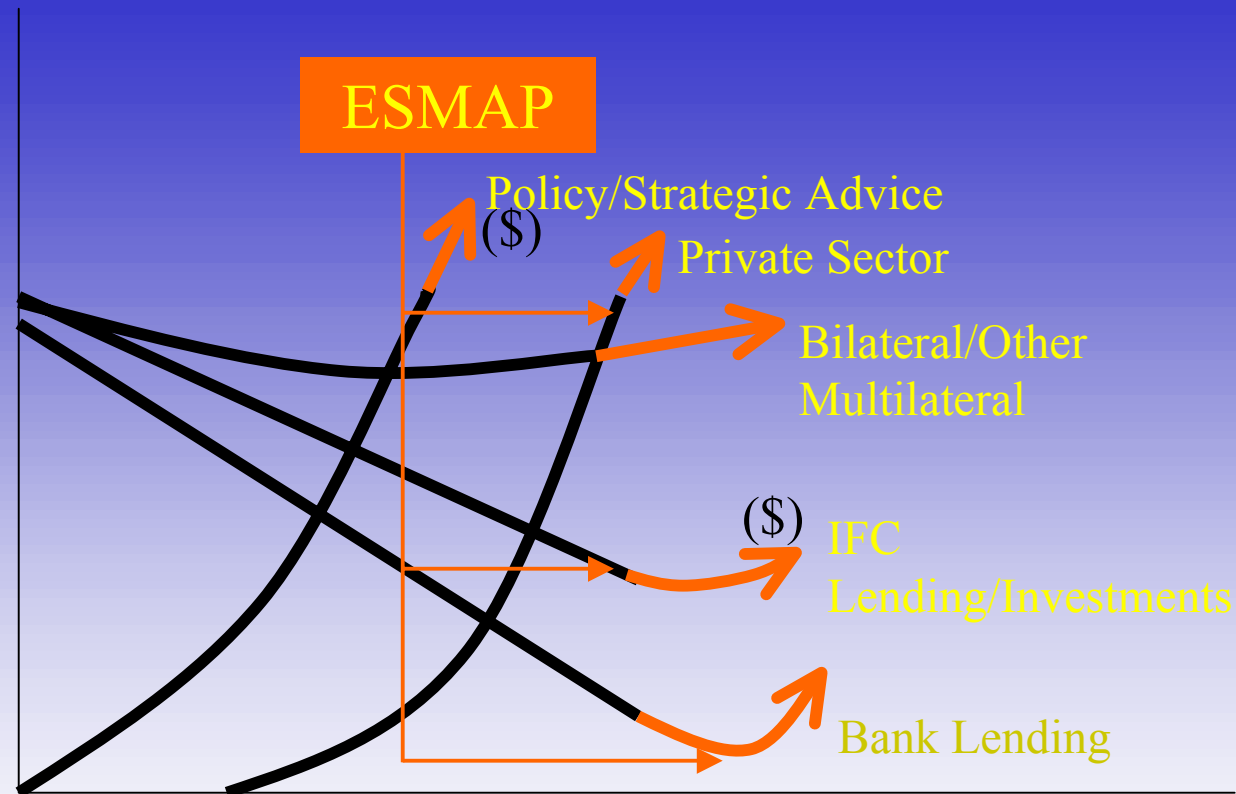
ESMAP Activities

- TA for Policy Formulation
- Capacity Building
- Base Line Data/methodologies on who are the energy poor, their needs, their coping mechanisms, the benefits from energy services.... All needed for policy formulation.
- Pilot Projects
- Knowledge DISSEMINATION: workshops, conferences, publications, www.esmap.org

Implementing ESMAF Strategy: Meeting the Needs of the Energy Poor



Opportunities For ESMAP



Knowledge



\$



Energy Service
Delivered to the Poor

ESMAP's Support to Gender In Energy

- 1980's: Inventory of Institutions and Programs on Gender and Energy
- 1980's: Woodstove improvement projects
- 1998: Post Village Power Discussions with Enrel, Energia, UNDP, Winrock & others
- 1999: ESMAP's Three Year Business Plan proposed to establish a Gender Facility in the Program: \$2.0 million

ESMAP's support

1999-2001 Business Plan

- Studies: to document gender in energy issues
- Pilot Projects: to test new approaches to associate women with the solutions to energy use and services
- Outreach and Dissemination Activities: to network with and capitalize on other gender in energy programs.

Business Plan was approved by the Donors in November 1999

ESMAP's support

Studies/Policy Formulation:

- 1999: Vietnam: Preparation of Renewable Energy Strategy.
 - * Workshop to identify constraints and solutions to Renewable Energy Development included Womens' Union
- 1999/2000: India: Rural Energy Strategy: gender dimension
- 2000: Yemen: Rural Energy Strategy (approved not yet started)

Esmap's support....

- PRSP (Poverty Reduction Strategy Paper) Handbook, Energy Chapter. Gender Dimension.
- Voices of the Poor...and follow-up meeting with CBO's
- World Bank's Energy Strategy Preparation

Support to the Genes Network

- In partnership with Winrock
- Training
- Information Dissemination
- Project identification and Implementation
 - * Possibility of Replicating the approach taken in Bangladesh

Bangladesh - Women in Renewable Energy

- \$178,000 pilot develops & tests community/NGO/private sector delivery model
- 10,000 household potential in project area alone
- modern energy + employment for local women



New Projects on Reducing Indoor and Outdoor Air Pollution

- Mongolia: Stove Improvement Project
- India: Indoor Air Pollution Reduction
- Africa: Health Impact of Energy
- Bangladesh and Thailand: Two-Stroke Engine Emission Reductions
- Nicaragua: Improved Wood Stoves

ESMAP's Support....

Knowledge: Outreach and Dissemination

- Joined Advisory Board of ENERGIA
- June 1999: Workshop UNDP workshop on Gender in Energy, Pretoria, South Africa
- Dec. 1999: World Bank workshop on Gender in Energy
- April 2000: World Bank Seminar to Present Bangladesh Project

ESMAP's support....

- July 2000: Regional Meeting in South Africa on Women in Mining and Energy; Financing opportunities.
- November 2000: Dakha. Renewable Energy Seminar
- December 2000: Village Power
- Decembr 2000: Pan African Seminar in Durban on Gender in Energy

So far: More than in the Past, but still a modest effort.Looking Ahead...

- Leadership Program for Women in Energy
In Africa: partnership with Winrock
- Replication of Bangladesh Project
- New Gender-focussed projects
- Multisectoral Networking
- ICT Publications...

